

MATERIALS LICENSE

Corrected copy

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

<p>Licensee</p> <p>1. General Dynamics Land Systems Division</p> <p>2. 38500 Mound Road March 31, 2005</p>	<p>In accordance with letter dated February 2, 1998,</p> <p>3. License number 21-21068-01 is amended in its entirety to read as follows:</p> <p>4. Expiration date 030-19731</p> <p>5. Pocket No. 030-19731 Reference No.</p>
<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Hydrogen-3</p> <p>B. Nickel-63</p> <p>C. Americium-241</p> <p>D. Krypton-85</p>	<p>7. Chemical and/or physical form</p> <p>A. Gas in glass ampules as sealed sources (Self-Powered Lighting Corporation bomb microdetectors)</p> <p>B. Nickel-63 metal electroplated on a brass cylinder</p> <p>C. Sealed source (Amersham Corporation Foil Source Model AMM)</p> <p>D. Krypton-85 gas Source Stick (MIL. SPEC.) No. MIL-R-51305 [MU]</p> <p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. No single source to exceed 10.2 curies per assembly. Total not to exceed 8,000 curies</p> <p>B. No single source to exceed 15 mCi per source. Total not to exceed 1.5 curies</p> <p>C. No single source to exceed 250 microcuries. Total not to exceed 30 millicuries</p> <p>D. No single source to exceed 5 millicuries per component. Total not to exceed 15 millicuries.</p>

9. Authorized Use:

- A. To be used in light source cell assembly Model P/N 12304725, to be installed as Muzzle Reference Sensor (MRS) devices on military equipment (Abrams Tank Weapon System) for distribution to the Department of Defense or contractors of the Department of Defense possessing a specific license issued by the U. S. Nuclear Regulatory Commission or an Agreement State.
- B. and C. For receipt, storage, use, and transfer of CAM (nickel-63), GID-3 (nickel-63) and M43A1 (americium-241) chemical agent detectors.

COPY

MATERIALS LICENSE SUPPLEMENTARY SHEET

License Number
21-21068-01

Docket or Reference Number
030-19731

Amendment No. 13

Correct copy

- D. For possession and use of source sticks incident to the testing of the AN/VDR2 Radiac meter to verify proper system integration of the Central Data Processing Unit (CDPU) for use on the FOX Nuclear Biological Chemical Reconnaissance System.

CONDITIONS

10. A. Licensed material shall be used only at the licensee's facilities located at:

Land Systems Division
Lima Army Tank Plant
1161 Buckeye
Lima, OH 45804

Land Systems Division
Sterling Heights Complex
38500 Mound Road
Sterling Heights, MI 48310-3268

Land Systems Division
Sterling Plant
6000 E. 17 Mile Road
Sterling Heights, MI 48078

Land Systems Division
Muskegon Operations
Technical Center
640 Seminole Road
Muskegon, MI 49442

Land Systems, Inc.
General Motors Proving Grounds
1 General Motors Road
Military Building 12
Milford, MI 48380

Land Systems Division
Muskegon Operations
75 Getty Street
Muskegon, MI 49442

General Dynamics
Amphibious Systems, Inc.
991 Annapolis Way
Woodbridge, VA 22191



- B. Licensed materials in devices which have been installed on military equipment may be used at temporary jobsites anywhere in the United States, for demonstration purposes as described in letter dated January 23, 1995.
11. A. Licensed material shall be used by, or under the supervision of, Dennis G. Stallsmith or B. H. Rose.
- B. The Radiation Safety Officer for the activities authorized by this license is Dennis G. Stallsmith.
12. Sealed sources containing licensed material shall not be opened or removed from their respective source holders by the licensee.

COPY

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**License Number
21-21068-01Docket or Reference Number
030-19731

Amendment No. 13

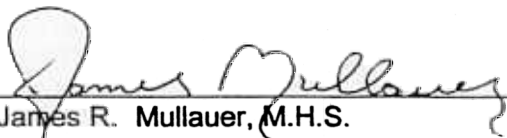
Correct copy

13. The licensee shall conduct a physical inventory every six (6) months to account for all sealed sources received and possessed under the license. The records of the inventories shall be maintained for two (2) years from the date of the inventory for inspection by the Commission, and shall include the quantities and kinds of byproduct material, manufacturer's name and model numbers, location of the sealed sources and the date of the inventory.
14. The licensee may transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material".
15. Individuals who work in or whose duties may require them to work in restricted areas or in the vicinity of licensed materials, shall be instructed in the items specified in 10 CFR 19.12 at the time of initial employment and at least annually thereafter.
16. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. The Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.
- A. Application dated January 21, 1994, and
- B. Letters dated January 23, 1995, March 3, 1995, May 30, 1995, July 15, 1996, October 3, 1996, March 5, 1997, September 18, 1997, October 1, 1997, and February 25, 1998.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date MAR 11 1998

By


James R. Mullauer, M.H.S.
Nuclear Materials Licensing Branch
Region III

COPY